

**DISCRETE-TIME AMPLITUDE CONTROL OF VOLTAGE-CONTROLLED
OSCILLATOR****ABSTRACT OF THE DISCLOSURE**

5 Periodically, sensed amplitude for the output signal
of a voltage-controlled oscillator is compared to a
reference and biasing of the voltage-controlled oscillator
is correspondingly set, thereby controlling amplitude of
the voltage-controlled oscillator output signal. Process
10 and temperature dependencies of the amplitude are
eliminated while achieving low phase noise and large
signal-to-noise ratio in the output signal, and
consequently low phase noise.